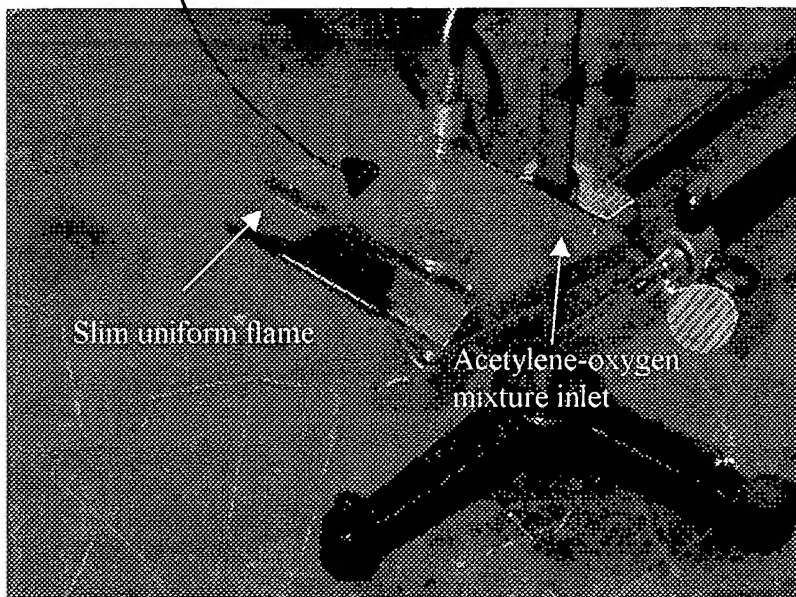


FIGURE 1

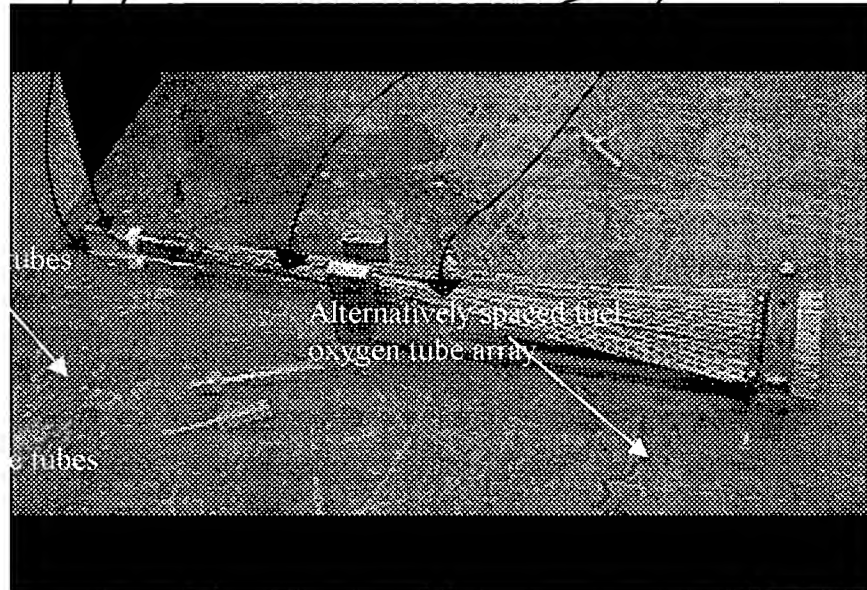


FIGURE 2



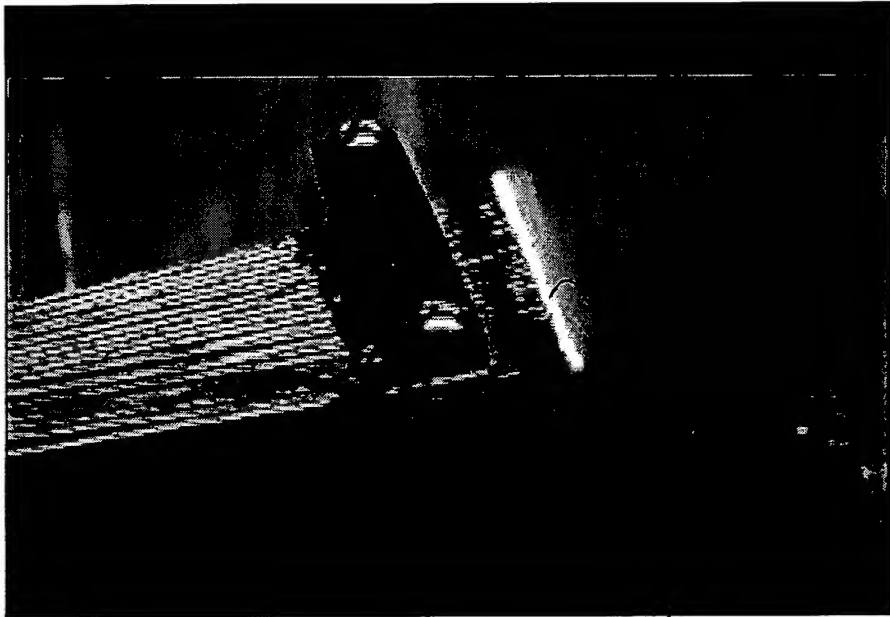
070050.1459

FIGURE 3



070050.1459

FIGURE 4



41

006943-04200
2003-10-24

FIGURE 5

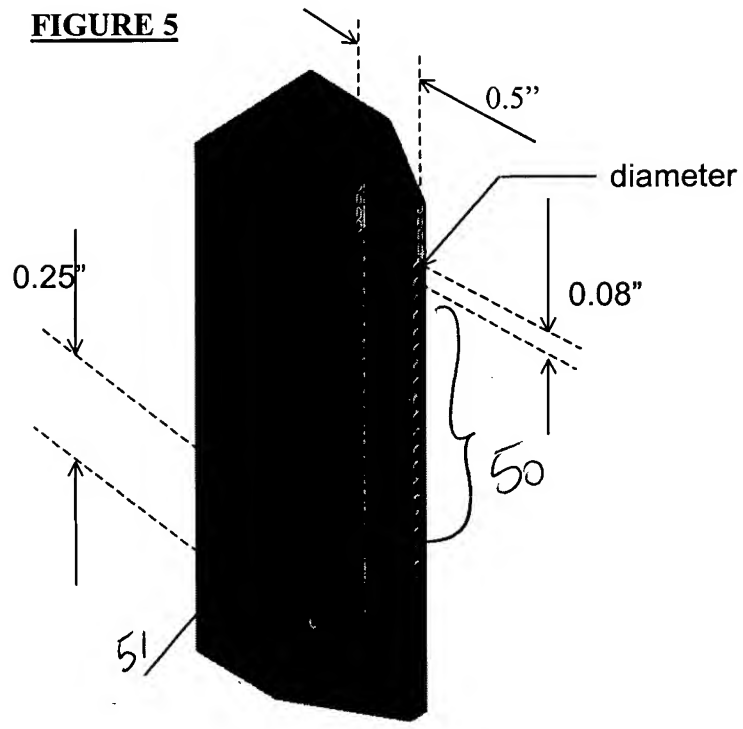


FIGURE 6

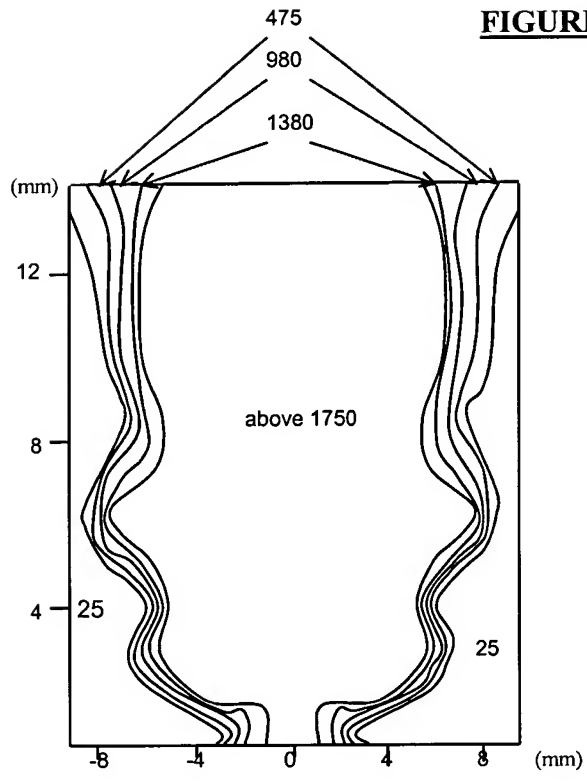


FIGURE 7

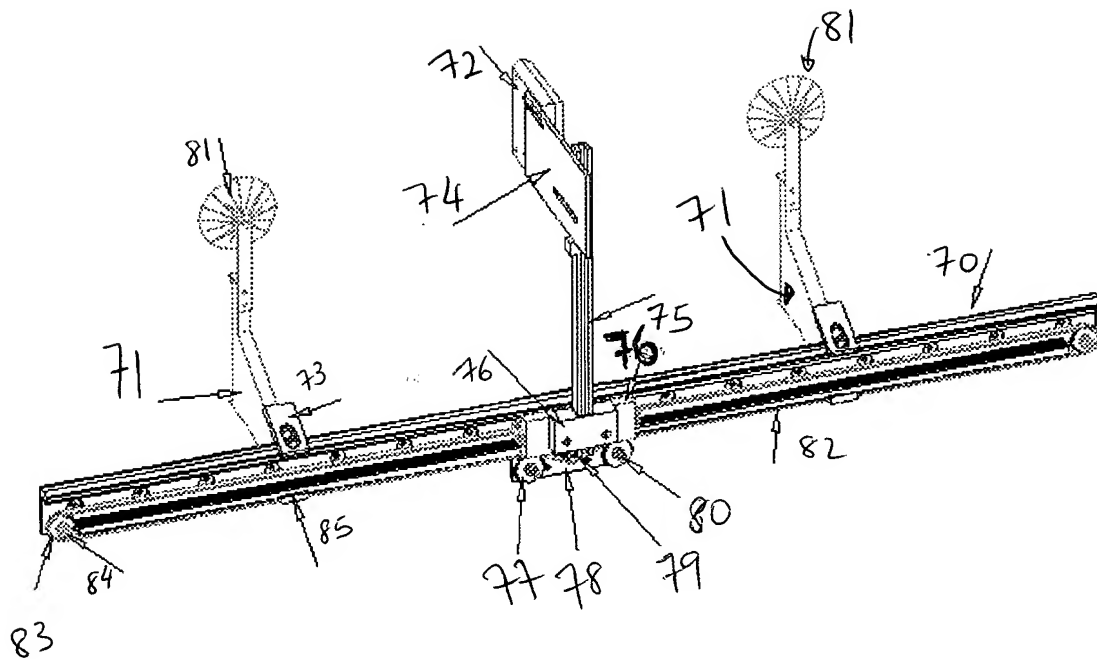
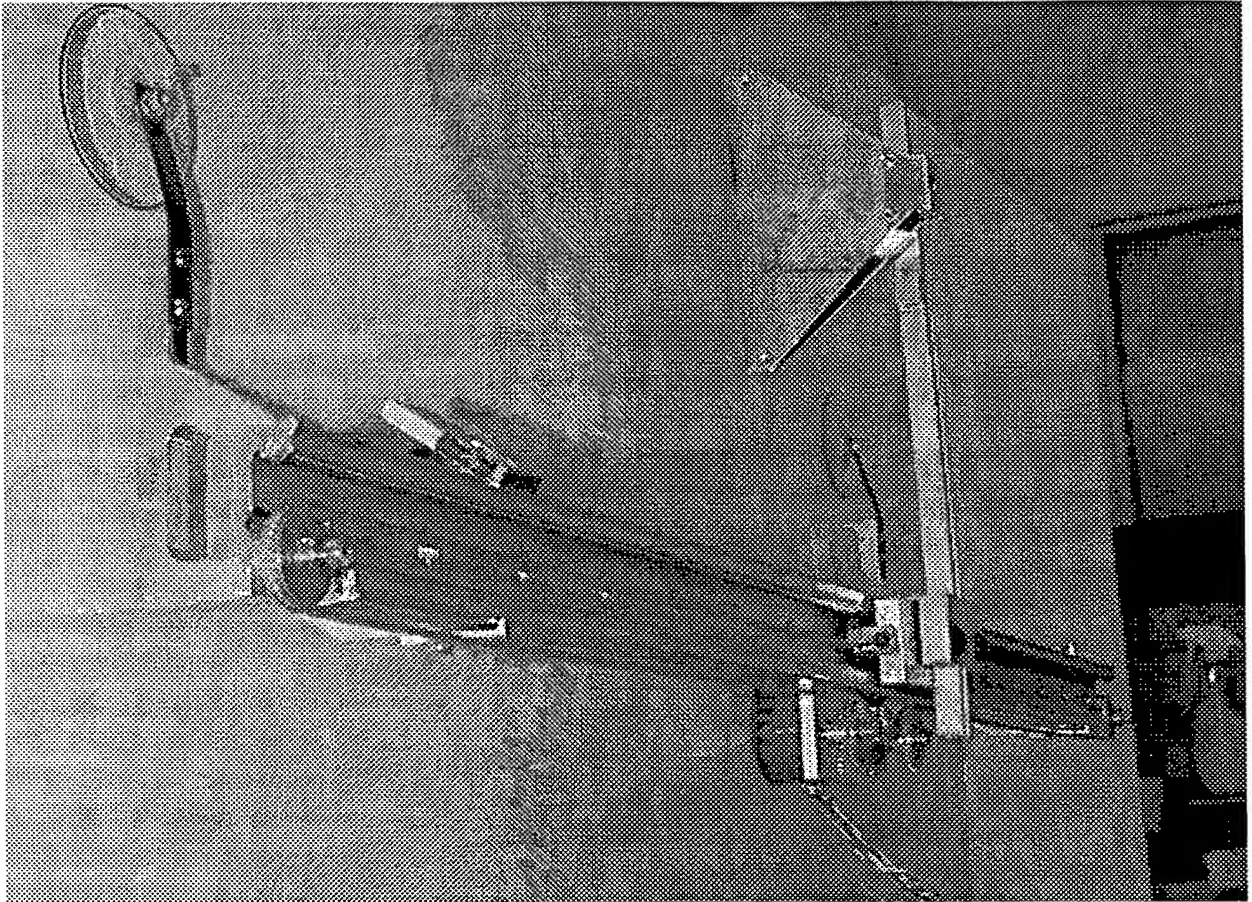


FIGURE 8



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FIGURE 9

PRIOR ART

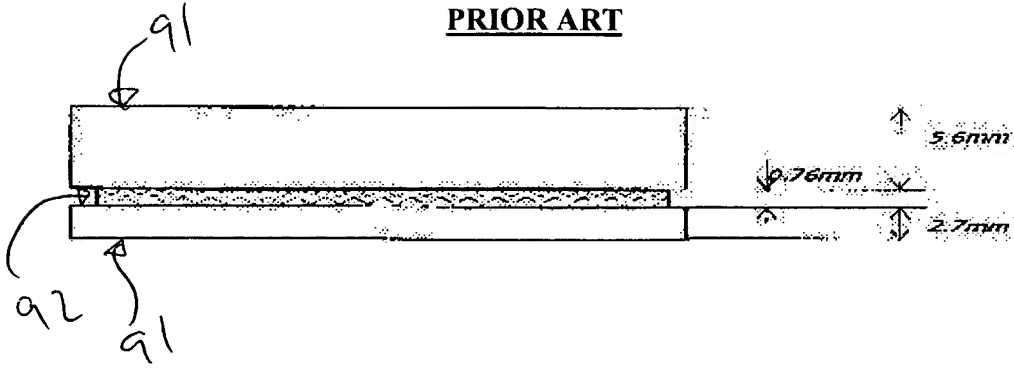
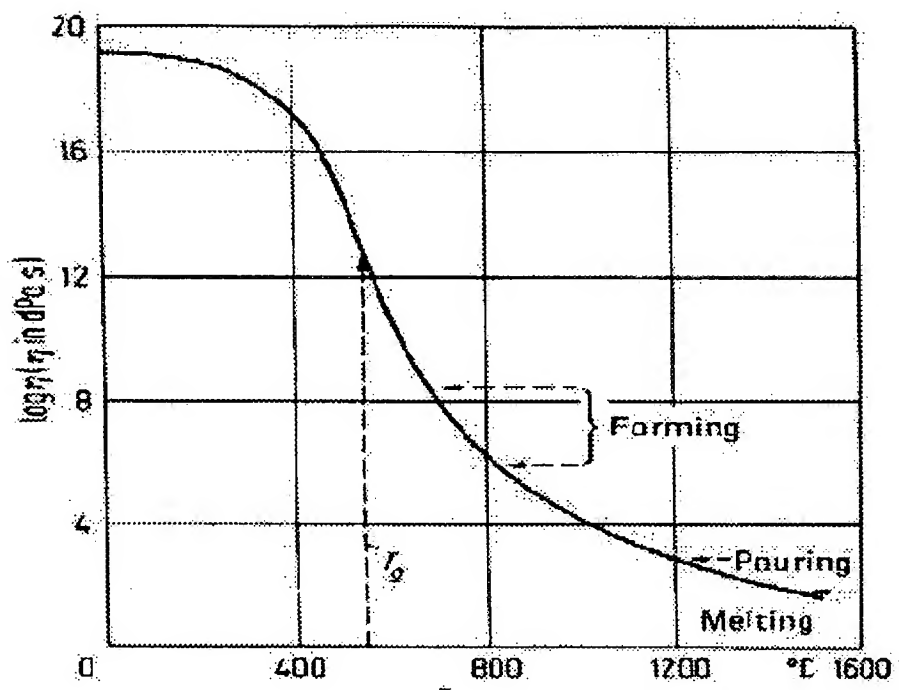
[illegible]

FIGURE 10



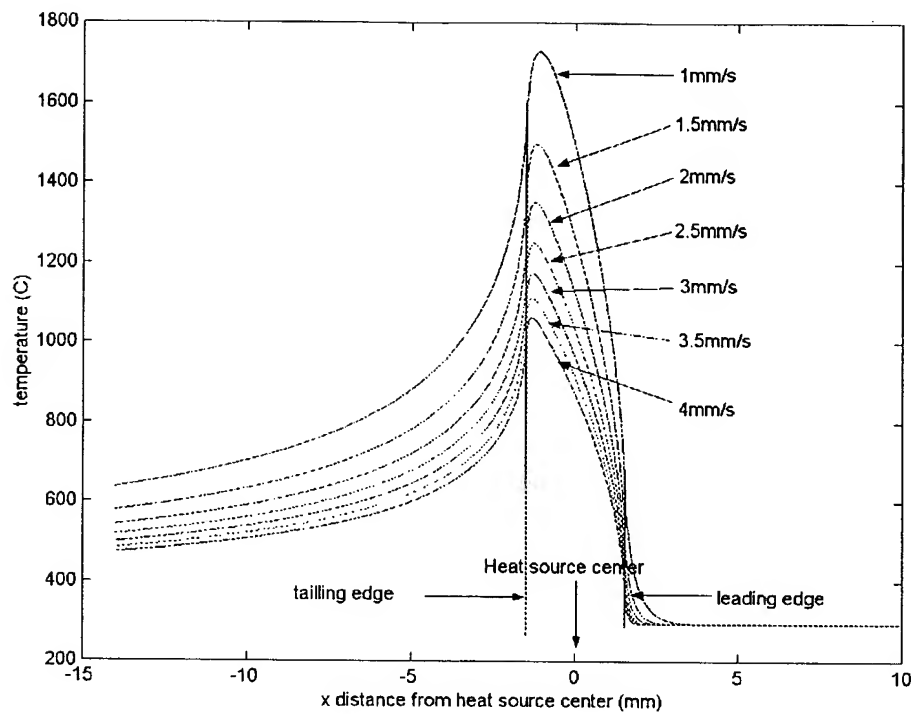
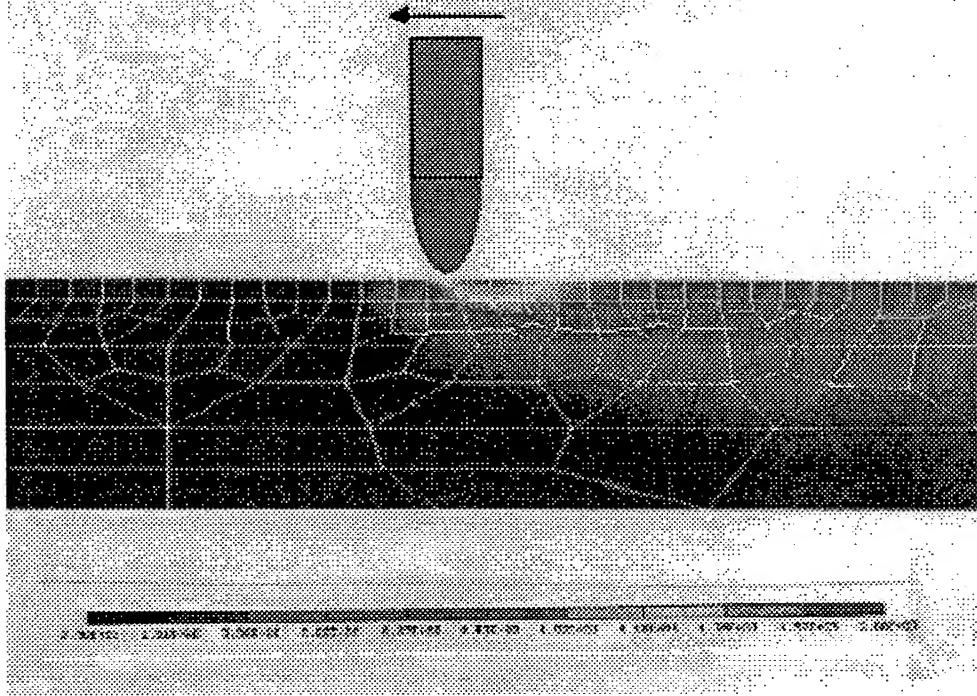


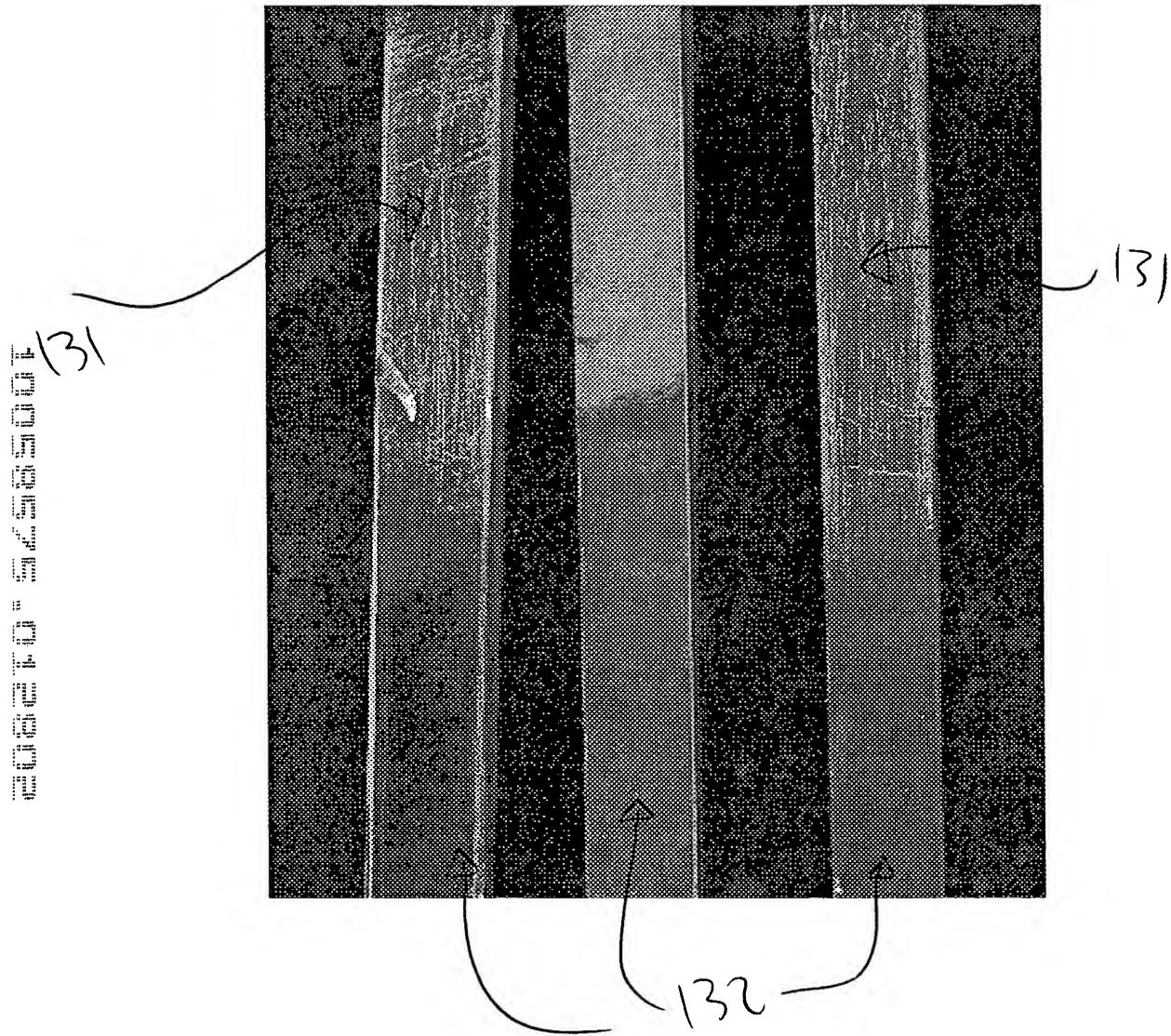
FIGURE 11

FIGURE 12



試料名	試料番号	試料重量 (g)	試料体積 (cm ³)	試料密度 (g/cm ³)	試料形状	試料寸法 (mm)	試料表面積 (cm ²)	試料体積率 (%)	試料密度率 (%)	試料形状率 (%)	試料寸法率 (%)	試料表面積率 (%)	試料体積率 (%)	試料密度率 (%)	試料形状率 (%)	試料寸法率 (%)	試料表面積率 (%)
試料 A	試料 A-1	10.0	1.0	10.0	試料 A-1	10.0	1.0	10.0	10.0	10.0	10.0	1.0	10.0	10.0	10.0	10.0	1.0
試料 B	試料 B-1	20.0	2.0	20.0	試料 B-1	20.0	2.0	20.0	20.0	20.0	20.0	2.0	20.0	20.0	20.0	20.0	2.0
試料 C	試料 C-1	30.0	3.0	30.0	試料 C-1	30.0	3.0	30.0	30.0	30.0	30.0	3.0	30.0	30.0	30.0	30.0	3.0
試料 D	試料 D-1	40.0	4.0	40.0	試料 D-1	40.0	4.0	40.0	40.0	40.0	40.0	4.0	40.0	40.0	40.0	40.0	4.0
試料 E	試料 E-1	50.0	5.0	50.0	試料 E-1	50.0	5.0	50.0	50.0	50.0	50.0	5.0	50.0	50.0	50.0	50.0	5.0
試料 F	試料 F-1	60.0	6.0	60.0	試料 F-1	60.0	6.0	60.0	60.0	60.0	60.0	6.0	60.0	60.0	60.0	60.0	6.0
試料 G	試料 G-1	70.0	7.0	70.0	試料 G-1	70.0	7.0	70.0	70.0	70.0	70.0	7.0	70.0	70.0	70.0	70.0	7.0
試料 H	試料 H-1	80.0	8.0	80.0	試料 H-1	80.0	8.0	80.0	80.0	80.0	80.0	8.0	80.0	80.0	80.0	80.0	8.0
試料 I	試料 I-1	90.0	9.0	90.0	試料 I-1	90.0	9.0	90.0	90.0	90.0	90.0	9.0	90.0	90.0	90.0	90.0	9.0
試料 J	試料 J-1	100.0	10.0	100.0	試料 J-1	100.0	10.0	100.0	100.0	100.0	100.0	10.0	100.0	100.0	100.0	100.0	10.0

FIGURE 13



REPRESENTATIVE RESULTS OF OPTIMAL,
AND SUB-OPTIMAL, HEAT SOURCE VELOCITY
AND FUEL FLOW RATE COMBINATIONS

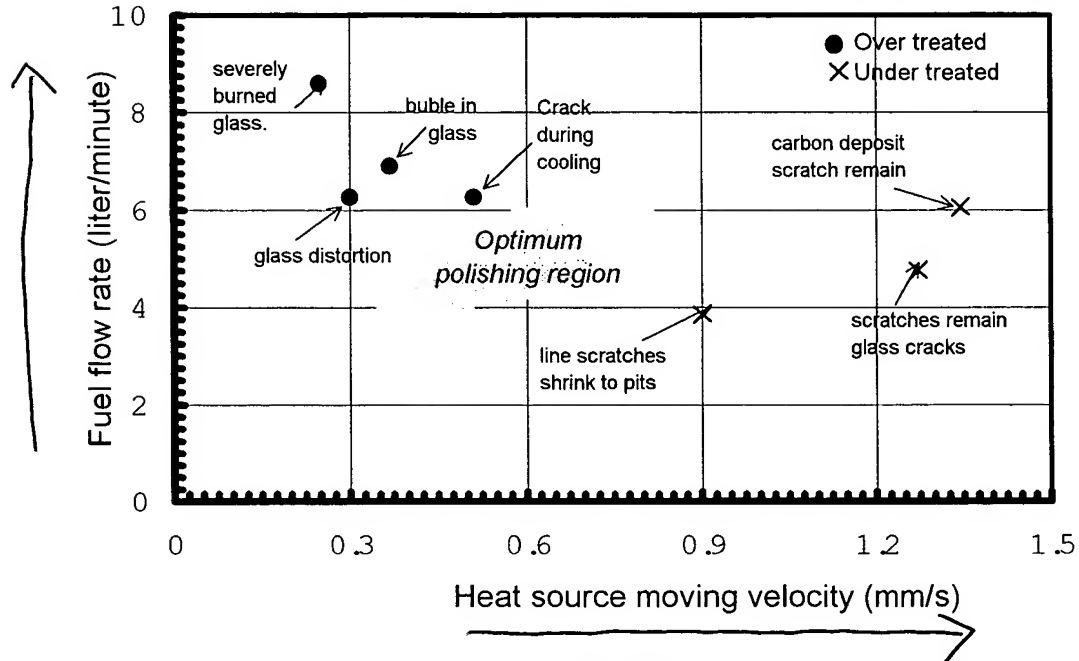


FIGURE 14

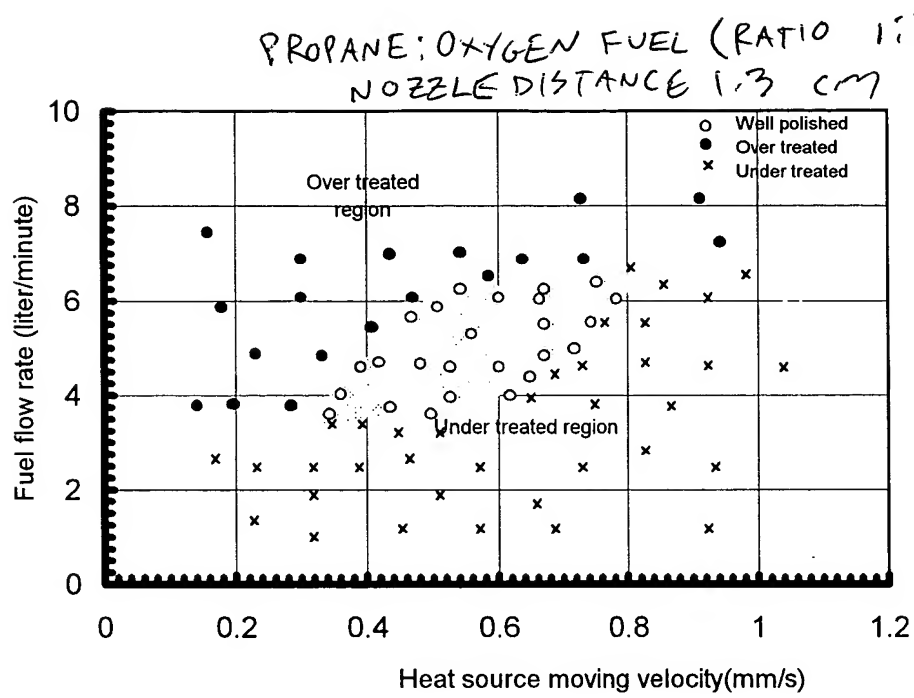


FIGURE 15

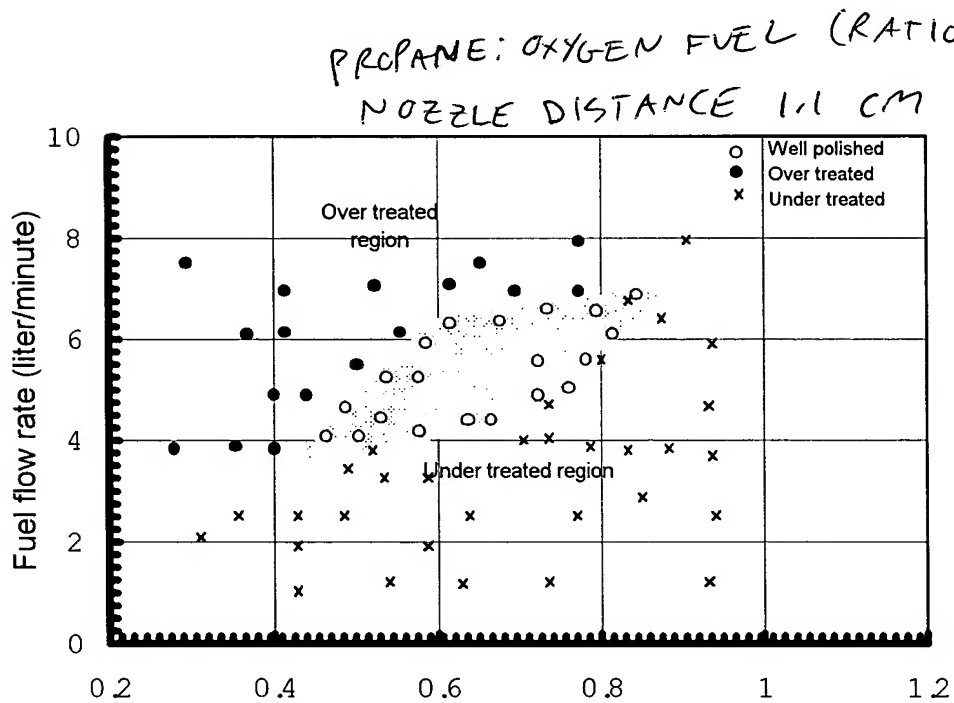


FIGURE 16

PROPANE:OXYGEN FUEL (RATIO 1:3.9)
NOZZLE DISTANCE 110 CM

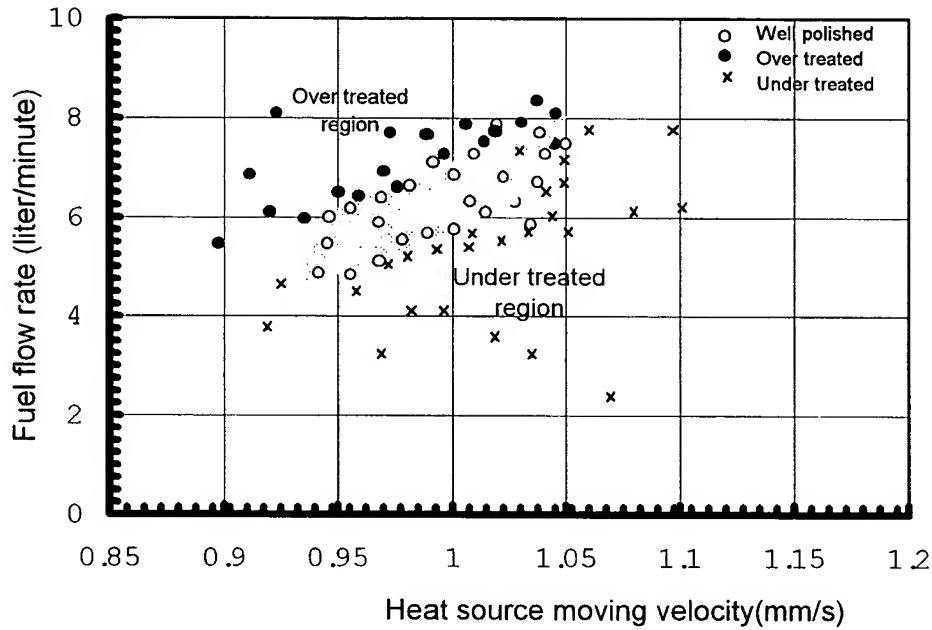


FIGURE 17

PROPANE:OXYGEN FUEL (RATIO 1:3.3)
NOZZLE DISTANCE 0.9 CM

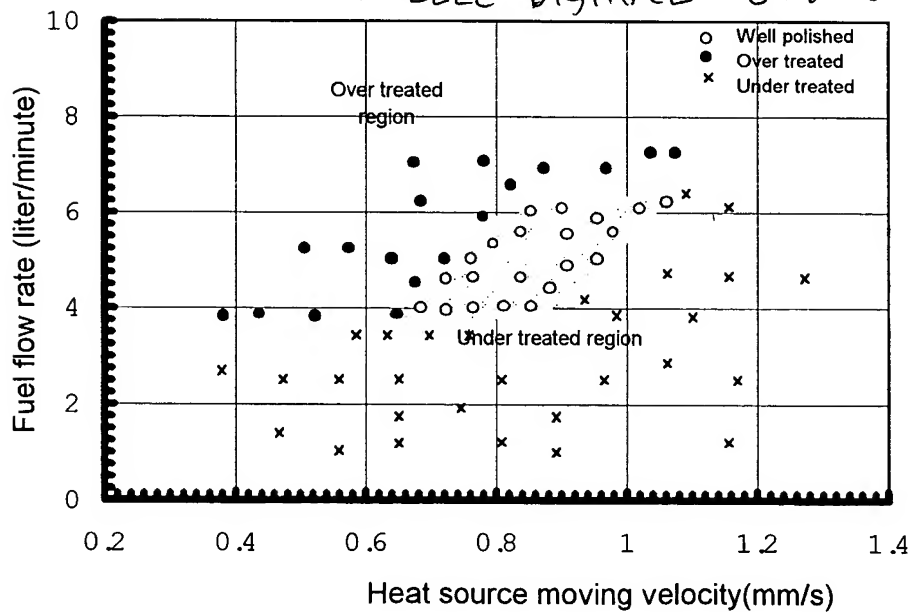


FIGURE 18

ACETYLENE:OXYGEN MIX (RATIO 2) PATENT
 NOZZLE DISTANCE 5.8 CM 070050.1459
 TILT ANGLE 2°

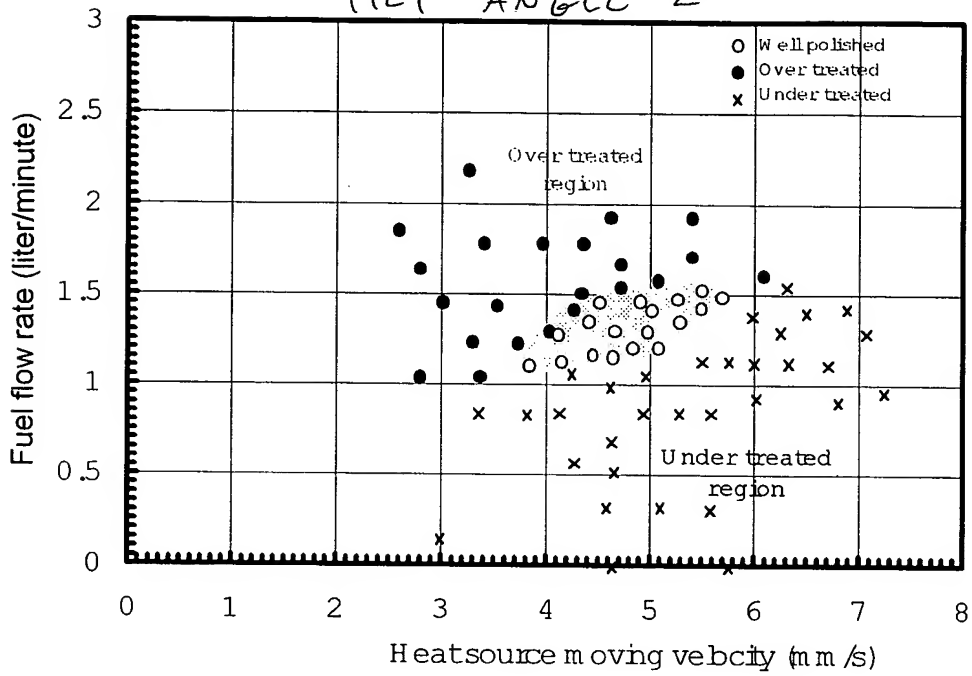


FIGURE 19

ACETYLENE:OXYGEN MIX (RATIO 1:1.2)
 NOZZLE DISTANCE 3.5 CM
 TILT ANGLE 2°

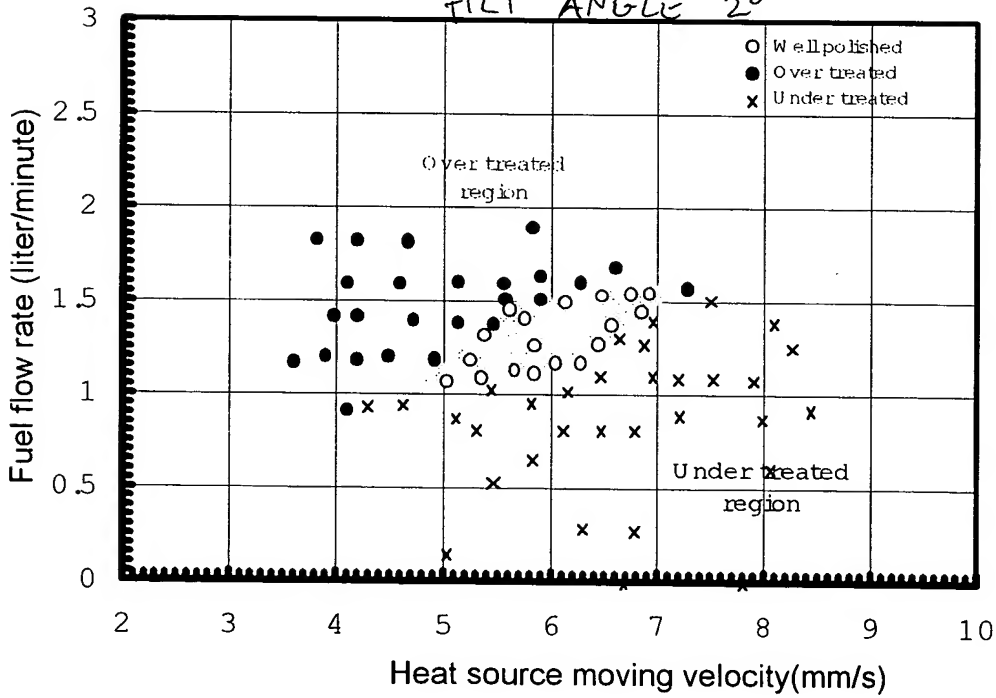


FIGURE 20